Index of Claims

| Appl | ication | Contro | No. |
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10/031,782

Examiner

David H. Malzahn

Applicant(s)/Patent under Reexamination

HERBIG ET AL.

Art Unit

2193

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| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |  |
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| ÷ | Restricted                     |  |  |  |  |  |  |  |  |

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| Cla                                    | aim      | Date     |          |   |              |              | ]        | Claim Date |          |          |   |          |          |                 | Cla     | aim               | Date            |          |                                |           |     |                |            |          |          |                         |              |          |          |          |   |          |
|--|----------|----------|----------|---|--------------|--------------|----------|------------|----------|----------|---|----------|----------|-----------------|---------|-------------------|-----------------|----------|--------------------------------|-----------|-----|----------------|------------|----------|----------|-------------------------|--------------|----------|----------|----------|---|----------|
| Final                                  | Original | 5/25/05  |          |   |              |              |          |            |          |          |   | Final    | Original |                 |         |                   |                 |          |                                |           |     | Final          | Original   |          |          |                         |              |          |          |          |   |          |
|  | 0        | S        |          |   |              |              |          |            |          |          |   | _        | ō        |                 |         |                   |                 |          |                                |           |     | -              | ō          |          |          |                         |              |          |          |          | ľ   |          |
|  | 1        |          |          |   | <u> </u>     |              |          |            |          |          |   |          | 51       |                 |         |                   |                 |          |                                |           |     |                | 101        |          |          |                         |              |          |          |          |   |          |
|  | 2        | <u> </u> | _        | _ | _            | _            | <u> </u> | <u> </u>   | $\perp$  | 1        |   |          | 52       |                 | 4-      |                   | Ш               |          |                                |           |     |                | 102        |          |          |                         |              |          |          |          | $\Box$  |          |
|  | 3        | <u> </u> | <u> </u> |   | ╀            | ╄            | -        | +          | +-       | ╄        |   |          | 53       | $\vdash \vdash$ | _       | <u> </u>          | $\sqcup$        | _        | $\perp$                        | Щ         |     |                | 103        | _        |          | _                       |              |          |          | Ш        | 4   | _        |
|  | 5        | =        | -        |   | ┡            | ╁            | -        | ╀          | +-       | ╁        | - | _        | 54       |                 | +       | ╀                 | $\vdash \vdash$ | $\perp$  | -                              | Ш         |     |                | 104        | <u> </u> |          | _                       |              |          | _        | Ш        | $\dashv$  | _        |
| <u> </u>                               | 6        | =        |          | _ | ╁┈           | ┿            | ╁        | ╀          |          | ╁        | - |          | 55<br>56 | $\vdash$        | -       | ╄                 | $\vdash$        | -        | +-                             |           |     |                | 105        |          | Н        |                         |              |          |          | Н        | -   | 4        |
| -                                      | 7        | =        | -        |   | ╁            | ╁            | ╁        | ╁          | +-       | ╁        | - | -        | 57       | -               | +       | +-                | $\vdash$        | +        | +                              |           |     |                | 106<br>107 | -        | Н        | -                       |              |          | -        | $\vdash$ |   |          |
|  | 8        | =        |          | _ | H            | ╁            | ╁╌       | +-         | 十        | ╁        | 1 |          | 58       |                 | ╁       | +                 | H               | +        | +                              |           |     |                | 107        |          | $\vdash$ |                         |              |          |          | $\vdash$ | $\dashv$  | -        |
|  | 9        | =        | -        | _ |              |              | ╁        | 十          | +        | ╅╴       | 1 |          | 59       | $\vdash$        | +       | +-                | $\vdash$        | $\dashv$ | +                              | $\vdash$  |     |                | 109        | Н        |          | -                       | _            |          |          | $\vdash$ | $\dashv$  | -        |
|  | 10       | =        |          |   | <u> </u>     | i            | $\vdash$ | $\top$     | $\top$   | +-       | 1 |          | 60       |                 | ╁       | †                 | $\vdash$        | $\top$   | 1                              | Н         |     |                | 110        |          | $\Box$   |                         |              | -        | _        | $\vdash$ | $\dashv$  | ᅥ        |
|  | 11       | =        |          |   | 1            |              |          |            | $\top$   |          | 1 |          | 61       |                 | 1       | 1                 | П               | _        |                                | П         |     |                | 111        |          | $\Box$   |                         |              |          |          | H        | 寸   | $\dashv$ |
|  | 12       | Ξ        |          |   |              |              |          |            | I        | I        | ] |          | 62       |                 |         |                   |                 |          |                                |           |     |                | 112        |          | $\Box$   |                         | П            |          |          | H        | $\dashv$  | ヿ        |
|  | 13       | Ξ        |          |   |              |              |          |            |          |          | ] |          | 63       |                 | $\perp$ |                   |                 |          |                                |           |     |                | 113        |          |          |                         |              |          |          |          | 丁   | $\Box$   |
|  | 14       | =        |          |   |              |              |          | Ļ          |          |          | 1 |          | 64       |                 |         | $\perp$           |                 | $\Box$   |                                |           |     |                | 114        |          |          |                         |              |          |          |          | $\Box$  |          |
| <u> </u>                               | 15       | =        |          |   | <u> </u>     | _            | ↓_       | $\perp$    | $\perp$  | _        |   | Щ        | 65       |                 | $\bot$  | <u> </u>          | Щ               | _ _      | $oldsymbol{oldsymbol{\sqcup}}$ | Ш         |     |                | 115        |          | $\Box$   |                         |              |          |          |          | $\Box$  |          |
| <u> </u>                               | 16       | _        |          |   | _            | _            | <u> </u> | 1_         | 1        | ╄        |   | $\Box$   | 66       |                 |         | _                 |                 |          | $\perp$                        |           |     |                | 116        |          |          | _                       |              |          |          |          | $\perp$   | _        |
|  | 17       |          | _        |   | <del> </del> | ▙            | _        | ╄          | +-       | 4_       |   |          | 67       | _               | +       | -                 |                 | _        | 1                              |           |     |                | 117        |          |          | _                       |              |          |          |          | $\dashv$  | _        |
|  | 18       |          |          |   | ├-           | ⊨            | $\vdash$ | -          | +        | 4—       |   | $\vdash$ | 68       |                 | +       | -                 |                 | +        | +                              |           |     |                | 118        | $\Box$   |          | _                       | _            |          |          | $\dashv$ | $\dashv$  | _        |
|  | 19<br>20 |          |          |   | ├            | -            | ⊢        | ╁          | +        | ╁        | H | <u> </u> | 69<br>70 | -               | +-      | +                 | $\vdash$        | +        | 1-1                            | $\square$ |     |                | 119        |          | -        |                         | _            |          | _        | -        | _   | _        |
|  | 21       |          | -        |   | ⊢            | $\vdash$     | -        | ┿          | ╁        | +        | 1 |          | 71       | +               | ┿       | ┿                 | Н               | +        | +                              |           | ŀ   |                | 120<br>121 |          | $\dashv$ |                         | $\dashv$     | $\dashv$ | _        | $\vdash$ | -   | 4        |
|  | 22       | H        | -        |   | -            | ├            | ╁        | ╁          | ╁        | +        | ł |          | 72       | +               | +-      | +                 | Н               | +-       | ╅┥                             |           | -   |                | 122        |          |          |                         |              | -        | -        | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 23       |          |          | _ |              | 1            | $\vdash$ | +          | ╁        | +        |   |          | 73       | +               | +       | +                 | $\vdash$        | +        | +                              | $\dashv$  | -   |                | 123        | $\vdash$ |          |                         | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ⊣        |
|  | 24       |          |          | - | $\vdash$     |              | $\vdash$ | +-         | +        | T        | 1 |          | 74       | $\pm$           | +-      | +                 | $\vdash$        | +        | +-1                            | $\dashv$  | -   |                | 124        | $\vdash$ |          |                         | _            | -        | $\dashv$ | _        | +   | ┥        |
|  | 25       |          |          |   |              |              |          | T          | T        | 1        |   |          | 75       | $\dashv$        | -       | $\top$            | $\Box$          |          | 1-1                            |           |     |                | 125        |          | -        |                         | $\dashv$     | 一        | 7        |          | $\dashv$  | ╡        |
|  | 26       |          | $\neg$   |   |              |              | Ì        | T          | 1        | $\top$   | 1 |          | 76       |                 | T       |                   |                 |          | 1                              | $\neg$    |     |                | 126        |          |          | $\neg$                  | $\neg$       |          | $\neg$   | -        | +   | ┪        |
|  | 27       |          |          |   |              |              |          |            |          |          |   |          | 77       |                 | Т       |                   |                 |          |                                |           |     |                | 127        |          | $\neg$   |                         |              | 一        |          | $\neg$   | 十   | ヿ゙       |
|  | 28       |          |          |   |              |              |          | $\Box$     |          |          |   |          | 78       |                 |         |                   |                 |          |                                |           |     |                | 128        |          |          |                         | $\neg$       |          |          |          | 寸   | 7        |
| $\sqcup$                               | 29       |          |          |   | <u> </u>     |              |          | _          | 上        | $\perp$  |   |          | 79       |                 |         |                   |                 |          |                                |           |     |                | 129        |          |          |                         |              |          |          |          | T   |          |
| <u> </u>                               | 30       |          |          |   | L            | _            | _        |            | _        | <u> </u> |   |          | 80       | $\perp$         |         |                   | $\Box$          |          |                                |           |     |                | 130        |          |          | $\Box$                  | $\Box$       |          |          |          | $\Box$  |          |
|  | 31       |          | _        |   |              |              | <u> </u> | ┡          | <u> </u> | ╄        |   |          | 81       |                 | _       |                   |                 | $\bot$   | $\perp$                        |           |     |                | 131        |          |          | $\perp$                 |              |          |          |          |   |          |
| -                                      | 32       | _        | $\dashv$ |   | <u> </u>     | _            | <u> </u> | _          | ╀        | -        |   |          | 82       | -               | 4       | $\perp$           |                 | +        | 1-1                            | _         | -   |                | 132        | _        | 4        | _                       | _            | _        | _        | _        | _   | _        |
|  | 33<br>34 | -        | -        |   | ⊢            | ├            | <u> </u> | ├-         | 1        | -        |   |          | 83       | - -             | +       | $\vdash$          | -               |          | $\dashv$                       | _         | 111 |                | 133        | _        | _        | _                       | _            |          | _        | _        | 4   | _        |
|  | 35       |          | $\dashv$ |   | -            | -            | ⊢        | ┢          | ┢        | ╀        |   |          | 84<br>85 |                 | +       | H                 | -               | +        | -                              |           | -   |                | 134        | $\dashv$ | $\dashv$ |                         |              |          |          | _        | $\dashv$  |          |
|  | 36       |          | $\dashv$ | _ | ⊢            | -            | -        |            | ╁        | ┼        |   |          | 86       |                 | +       | +                 | -               |          | +                              |           | -   |                | 135        | $\dashv$ | $\dashv$ |                         |              |          |          | $\dashv$ | +   | $\dashv$ |
|  | 37       | -        | -        | _ |              | -            | ├─       | ⊢          | +        | +-       |   |          | 87       | -+-             | +       | +                 | -               | +        | +                              | $\dashv$  | -   |                | 136<br>137 | $\dashv$ | $\dashv$ | -                       | $\dashv$     |          | -        | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash$                               | 38       | $\dashv$ | $\dashv$ |   | -            |              |          | <b>-</b>   | ╁        | $\vdash$ |   |          | 88       | +               | ╁╌      | +                 | $\dashv$        |          | 1 1                            | -         | ⊪   |                | 138        | -        | -        | $\dashv$                |              | -        | $\dashv$ | -        | +   | -        |
|  | 39       | $\neg$   | 7        |   | -            | $\vdash$     | $\vdash$ | Т          | +        |          |   |          | 89       | -               | +       | +                 | 十               | +        | +-1                            | -         | ıŀ  |                | 139        | $\dashv$ | $\dashv$ | $\dashv$                | $\dashv$     | $\dashv$ | -        | $\dashv$ | +   | $\dashv$ |
|  | 40       |          |          |   |              | <u> </u>     |          | Π          | 1        |          |   |          | 90       |                 | Τ       | $\dagger \dagger$ | +               | $\top$   | 1-1                            | $\dashv$  | ŀ   |                | 140        | $\dashv$ | $\dashv$ | $\dashv$                | ᅥ            | $\dashv$ | -        | $\dashv$ | +   | $\dashv$ |
|  | 41       |          |          |   |              |              |          |            | T        |          |   |          | 91       | $\top$          | Τ       | $\Box$            | $\neg$          | $\top$   | 11                             | $\dashv$  | ŀ   | $\neg \dagger$ | 141        | 1        | $\dashv$ | $\dashv$                | ┪            | $\dashv$ |          | $\dashv$ | 十   | ㅓ        |
|  | 42       |          | J        |   |              |              |          |            |          |          |   |          | 92       |                 |         |                   |                 | $\top$   | 1 1                            |           | ı   |                | 142        | 一        | $\dashv$ | $\dashv$                | 7            | 7        | $\dashv$ | $\dashv$ | +   | $\dashv$ |
|  | 43       | $\Box$   | $\Box$   |   |              |              |          |            |          |          |   |          | 93       |                 | Ι       |                   | $\Box$          |          |                                |           |     |                | 143        |          |          |                         | $\exists$    | 寸        |          | $\dashv$ | $\top$  | $\dashv$ |
|  | 44       |          | [        |   |              |              |          |            |          |          |   |          | 94       |                 | $\Box$  |                   |                 |          |                                |           |     | $\neg \neg$    | 144        |          |          |                         |              |          | 一        |          | 丁   |          |
|  | 45       | _        | $\dashv$ | _ |              | $oxed{oxed}$ |          | _          | $\perp$  |          |   | [        | 95       |                 |         |                   | $\perp$         | $\bot$   |                                | $\Box$    |     |                | 145        |          |          | $oldsymbol{\mathbb{T}}$ |              |          |          |          | 丁   |          |
|  | 46       | _        | $\dashv$ | _ |              |              |          | <u> </u>   | ┞        | ┞_       |   |          | 96       | $\perp$         | 4       | 니                 | _               | 1        | $oxed{\Box}$                   | _         |     |                | 146        | $\Box$   | $\Box$   | I                       | $\Box$       | $\Box$   |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |
|  | 47       | -        | _        | _ | _            | <u> </u>     | $\vdash$ | _          | ₽        | -        |   |          | 97       | $\dashv$        | +       | $\sqcup$          | $\dashv$        | $\bot$   | $\bot$                         | _         | L   |                | 147        | _        | _        | $\perp$                 | $\downarrow$ | _[       |          | $\perp$  | $\perp$   | _]       |
|  | 48       | -        | -        | _ | _            |              | <u> </u> | <u> </u>   | -        | $\vdash$ |   |          | 98       | $\dashv$        | ╄       | $\sqcup$          | _               | 4        | 1                              | $\dashv$  | Ļ   |                | 148        | _        | _        | _                       | _            | _        | _        | 4        | 4   | $\Box$   |
|  | 49<br>50 | $\dashv$ | $\dashv$ |   | $\dashv$     |              |          | -          | ⊬        | ├-       |   |          | 99       |                 | +-      | <del> </del>      | $\dashv$        | -        | 1-1                            | _         | -   | .              | 149        | _        | _        | 4                       | 4            | 4        | _        | _        | $\bot$  | <u>.</u> |
| ــــــــــــــــــــــــــــــــــــــ | οU       | 1        |          |   |              | لـــا        |          | L          | <u> </u> |          |   |          | 100      |                 | 1       | لــــا            |                 |          |                                | :         | ⊞L  |                | 150        |          |          | -1                      | _ [          | - 1      |          | _ [      |   |          |